

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	("20070138004").PN.	US-PGPUB; USPAT	OR	OFF	2009/02/12 08:12
S2	2	("0400826").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/12 17:12
S3	2	("0400826").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/12 17:13
S4	7	("2043219").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/12 17:52
S5	16	"2043219"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/12 18:02
S6	4	"02043219"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/12 18:04
S7	1	IQBT tube	US-PGPUB; USPAT	ADJ	ON	2009/02/13 09:19
S8	1	IQBT tube	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/13 09:20
S9	1917	punch device	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/13 10:05

S10	87	S9 and (air permeab\$6 or electrode)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/13 10:07
S11	1	S10 and (IQBT tube)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/13 10:08
S12	456	204/222	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/13 10:37
S14	347	S12 and (air permeab\$6 or electrode)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/13 10:38
S15	2	S12 and (air permeab\$6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/13 10:39
S16	365	S12 and (perforat\$5 or electrode)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/13 10:43
S17	92	S12 and (perforat\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/13 10:43
S18	1	S12 and (punch device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/13 10:46
S19	3827	(punch device or punch mechanism)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/13 10:54

S20	24	S19 and (winding and unwinding)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/13 10:55
S21	395489	"219"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/13 12:07
S22	81	S21 and (punch device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/13 12:08
S24	167	(219/384).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/02/17 18:01
S26	81	S24 and (perforat\$5)	US-PGPUB; USPAT	ADJ	ON	2009/02/17 18:02
S27	241	219/384	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 16:02
S30	0	S27 and (punch device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 16:08
S32	108	S27 and (perforat\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 16:08
S33	64	S32 and (electrode)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 16:10
S34	42	S33 and (air)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 16:15

S35	0	S27 and (punching mechanism)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 16:45
S36	1	S27 and (electrode matrix)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 16:46
S37	6	S32 and (matrix)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 17:09
S38	4	S33 and (matrix)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 17:09
S39	219	S27 and (mechanism or control unit or hydraulic or frequency or voltage or detect\$5 or electrode or tension\$2 or user interface or substrate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 17:14
S40	204	S27 and (mechanism or control unit or electrode or frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 17:15
S41	0	S30 and (control unit or electrode or frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 17:16
S42	173	S40 and (control unit or electrode or frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 17:16
S43	103	S42 and (control unit or frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 17:17

S45	3303	electrode matrix	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 17:22
S46	871	S45 and (electrode bar\$2 or electrode pin and anode or cathode)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 17:25
S47	22	S46 and (electrode bar\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 17:26
S48	856	S45 and (electrode pin and anode or cathode)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 17:52
S49	36	S45 and (electrode pin or pin electrode or pin- electrode)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/18 17:52
S50	241	219/384	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/19 07:58
S51	204	S50 and (mechanism or control unit or electrode or frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/19 07:58
S52	173	S51 and (control unit or electrode or frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/19 07:58
S53	103	S52 and (control unit or frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/19 07:58

S54	14	S53 and (control unit)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/19 07:58
S55	8	US-2043219-\$.DID. OR US- 2127053-\$.DID. OR US- 4029938-\$.DID. OR US- 1593817-\$.DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/19 08:50
S56	21	US-2127053-\$.DID. OR US- 4029938-\$.DID. OR DE- 04081977-\$.DID. OR JP- 52096799-\$.DID. OR JP- 13081977-\$.DID. OR US- 2339471-\$.DID. OR US- 1876676-\$.DID. OR DE- 24022001-\$.DID. OR US- 7803942-\$.DID. OR DE- 7390261-\$.DID. OR DE- 739026101-\$.DID. OR US- 2387746-\$.DID. OR US- 3502578-\$.DID. OR US- 4207458-\$.DID. OR US- 1722071-\$.DID. OR US- 1011983-\$.DID. OR US- 1101981-\$.DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/19 08:53
S57	6	(("3,098,143") or ("3,348,022") or ("3,385,951") or ("3,475,591") or ("3,760,153") or ("3,783,237") or ("and3,862,396")).PN.	US-PGPUB; USPAT	OR	OFF	2009/02/19 08:57
S58	7	(("3,098,143") or ("3,348,022") or ("3,385,951") or ("3,475,591") or ("3,760,153") or ("3,783,237") or ("3,862,396")).PN.	US-PGPUB; USPAT	OR	OFF	2009/02/19 08:57
S59	21	US-2127053-\$.DID. OR US- 4029938-\$.DID. OR DE- 04081977-\$.DID. OR JP- 52096799-\$.DID. OR JP- 13081977-\$.DID. OR US- 2339471-\$.DID. OR US- 1876676-\$.DID. OR DE- 24022001-\$.DID. OR US- 7803942-\$.DID. OR DE- 7390261-\$.DID. OR DE- 739026101-\$.DID. OR US- 2387746-\$.DID. OR US- 3502578-\$.DID. OR US-	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/19 11:17

		4207458-\$.DID. OR US-1722071-\$.DID. OR US-1011983-\$.DID. OR US-1101981-\$.DID.				
S60	33	((("3,098,143") or ("3,348,022") or ("3,385,951") or ("3,475,591") or ("3,760,153") or ("3,783,237") or ("3,862,396") or ("2,372,508") or ("3,167,641")).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/19 11:24
S61	3833	(punch device or punch mechanism)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/19 15:27
S62	2047	S61 and (punch mechanism)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/19 15:27
S63	1	S62 and (punch mechanism and electrode matrix)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/19 15:28
S64	1	S62 and (punch mechanism and electrode bar)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/19 15:29
S65	61	S62 and (punch mechanism and electrode)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/19 15:29
S68	1	("4,326,909").PN.	US-PGPUB; USPAT	OR	OFF	2009/02/19 15:42
S69	1	("4,247,754").PN.	US-PGPUB; USPAT	OR	OFF	2009/02/19 16:58
S70	1	("4,323,082").PN.	US-PGPUB; USPAT	OR	OFF	2009/02/19 17:03
S71	1	("3,586,006").PN.	US-PGPUB; USPAT	OR	OFF	2009/02/20 08:33
S72	1	("3,583,546").PN.	US-PGPUB; USPAT	OR	OFF	2009/02/20 10:43

S73	241	219/384	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/20 14:11
S74	44	S73 and (detect\$5 and tension or stress\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/20 14:11
S75	1	("3475591").PN.	US-PGPUB; USPAT	OR	OFF	2009/02/23 15:16
S76	241	219/384	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 16:15
S77	2	S76 and (winding and unwinding)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 16:15
S78	241	219/384	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 16:17
S79	108	S78 and (perforat\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 16:17
S80	2	S79 and (winding and unwinding)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 16:17
S81	12	S79 and (winding or unwinding)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 16:18

S82	12	S79 and (winding or rewinding)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 16:27
S83	1	S79 and (rewinding)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 16:27
S84	92302	(perforating or perforation and winding or rewinding or rewinding)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 16:38
S85	323538	(perforating or perforation)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 16:38
S86	1941	S85 and (winding and unwinding)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 16:39
S87	964	S86 and (tension)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 16:40
S88	501	S86 and (detect\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 16:40
S89	294	S87 and (detect\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 16:41
S90	1	S89 and (high voltage generator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 16:42

S91	501	S88 and (detect\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 17:27
S92	294	S87 and (detect\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 17:28
S93	133	S92 and (correct\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 17:28
S94	24	S93 and (user interface)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 17:29
S95	24	S94 and (perforat\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 17:30
S96	3306	electrode matrix	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 19:01
S97	873	S96 and (electrode bar\$2 or electrode pin and anode or cathode)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 19:01
S98	22	S97 and (electrode bar\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 19:01
S99	2	S98 and (adjusting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/23 19:02

S100	1	"20070138004"	US-PGPUB; USPAT	ADJ	ON	2009/02/25 11:45
S101	1	IQBT tube	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/26 12:35
S102	422326	high voltage or high frequency tube\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/02/26 12:44
S103	420962	high voltage or high frequency genertor near tube\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/02/26 12:44
S104	172698	S103 and (electrode or perforat\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/26 12:46
S105	383	S103 and (electrode\$2 bar \$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/26 12:47
S106	383	S104 and (electrode\$2 bar \$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/26 12:48
S107	167	S106 and (tube\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/26 12:48
S108	4	S107 and (TQBT tube\$2 or vacuum tube or transistor tube)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/26 12:49

S109	420962	high voltage or high frequency genertor near tube\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2009/02/26 16:35
S110	172698	S109 and (electrode or perforat\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/26 16:35
S111	10062	S110 and (perforat\$5)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/02/26 16:35
S112	9520	S111 and (high voltage or high frequency genertor and tube)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/02/26 16:37
S113	9521	S111 and (high voltage or high frequency generator and tube)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/02/26 16:37
S114	9521	S111 and (high voltage or high frequency generator and tube\$2)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/02/26 16:37
S115	5184	S114 and (tube\$2)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/02/26 16:38
S116	3877	S115 and (electrode bar\$2 or angle\$2 or adjust\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/02/26 16:40
S117	3193	S116 and (adjust\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/02/26 16:41
S118	262	S116 and (IGBT tube\$2 or vacuum tube\$2)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/02/26 16:42
S119	0	S116 and (IGBT tube\$2)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/02/26 16:42
S120	0	S116 and (IQBT tube\$2)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/02/26 16:42
S121	3	IQBT	US-PGPUB; USPAT	ADJ	ON	2009/02/26 17:14
S122	3	("4236062" "4447708"). PN. OR ("5012825").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/18 11:38
S123	2	S122 and (control\$3)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/18 11:42
S124	0	S122 and (angle with adjust \$3 electrode or hydraulic near align\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/18 11:43
S125	3	S122 and (angle or adjust\$3 or electrode or hydraulic or align\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/18 11:43
S126	3	S122 and (control\$3 or angle or adjust\$3 or electrode or hydraulic or align\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/18 11:44

S127	22	("2372508" "2763759" "2982186" "3098143" "3351740" "3412636" "3862396" "3891828").PN. OR ("4236062").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/18 11:59
S128	15	S127 and (control\$3 or angle or adjust\$3 or electrode or hydraulic or align\$4 or computer or simultaneous\$2 or interval)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/18 12:16
S129	15	S127 and (control\$3 or angle or adjust\$4 or electrode or hydraulic or align\$4 or computer or simultaneous\$2 or interval)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/18 12:24
S130	435	(131/281,356,226).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/18 13:52
S131	0	S130 and (electric punch\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/02/18 13:53
S132	3	S130 and (punch\$3 device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/02/18 13:56
S133	2	S132 and (control\$3 or angle or adjust\$4 or electrode or hydraulic or align\$4 or computer or simultaneous\$2 or interval)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/18 13:56
S134	3	S132 and (control\$3 or angle or adjust\$4 or electrode or hydraulic or align\$4 or computer or simultaneous\$2 or interval)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/02/18 13:57
S135	14	S130 and (air permeab\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/02/18 14:03

S136	12	S135 and (control\$3 or angle or adjust\$4 or electrode or hydraulic or align\$4 or computer or simultaneous\$2 or interval)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/02/18 14:03
S137	26	("2678373" "2763759" "3198934" "3385951" "3622751" "4025752").PN. OR ("4219727").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/18 14:48
S138	21	S137 and (control\$3 or angle or adjust\$4 or electrode or hydraulic or align\$4 or computer or simultaneous\$2 or interval)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/02/18 14:48
S139	21	S137 and (control\$3 or angle or adjust\$4 or electrode or hydraulic or align\$4 or computer or simultaneous\$2 or interval)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/02/18 14:52
S140	167	(219/384).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/02/18 15:20
S141	0	S140 and (electric punch\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/02/18 15:20
S142	1	S140 and (punch\$3 device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/02/18 15:21
S143	126	(electric punch\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/02/18 15:21
S144	89	S143 and (control\$3 or angle or adjust\$4 or electrode or hydraulic or align\$4 or computer or simultaneous\$2 or interval)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/02/18 15:22

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